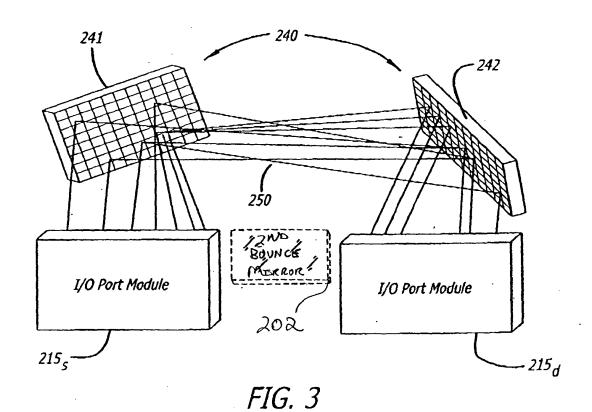
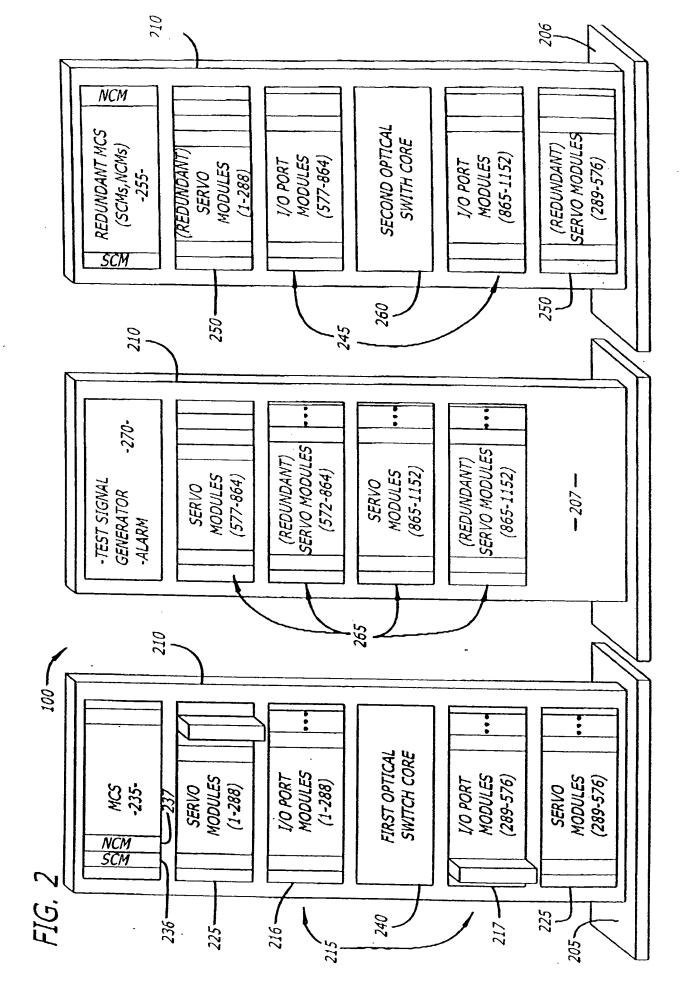
Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL
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SWITCH
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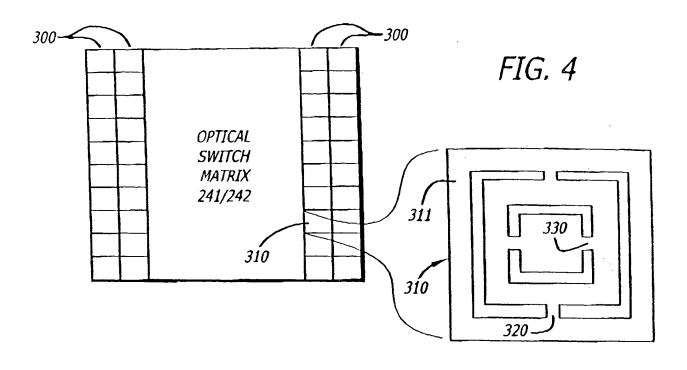
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-130
SWITCH CONTROL
SUBSYSTEM
-120
SWITCH SUBSYSTEM
-110-

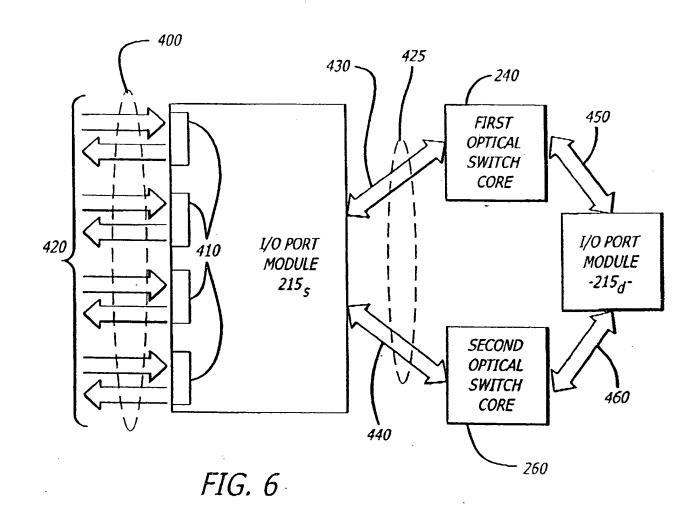


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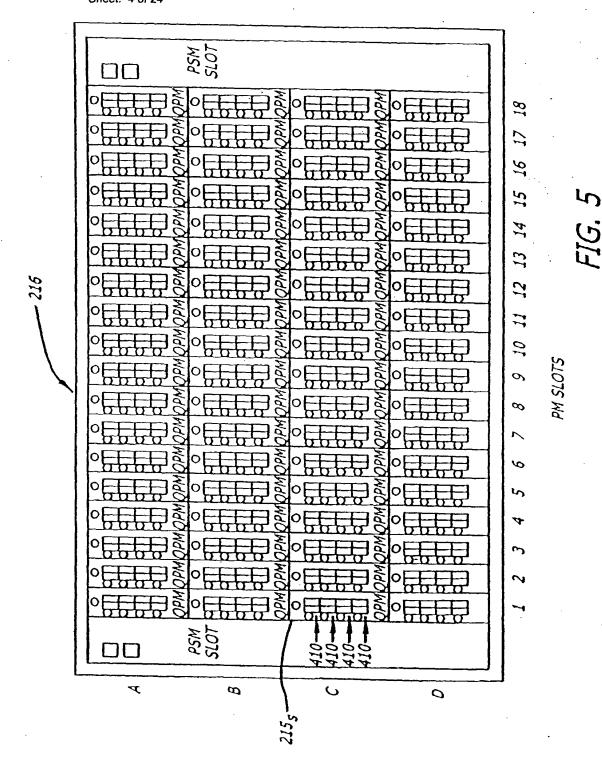




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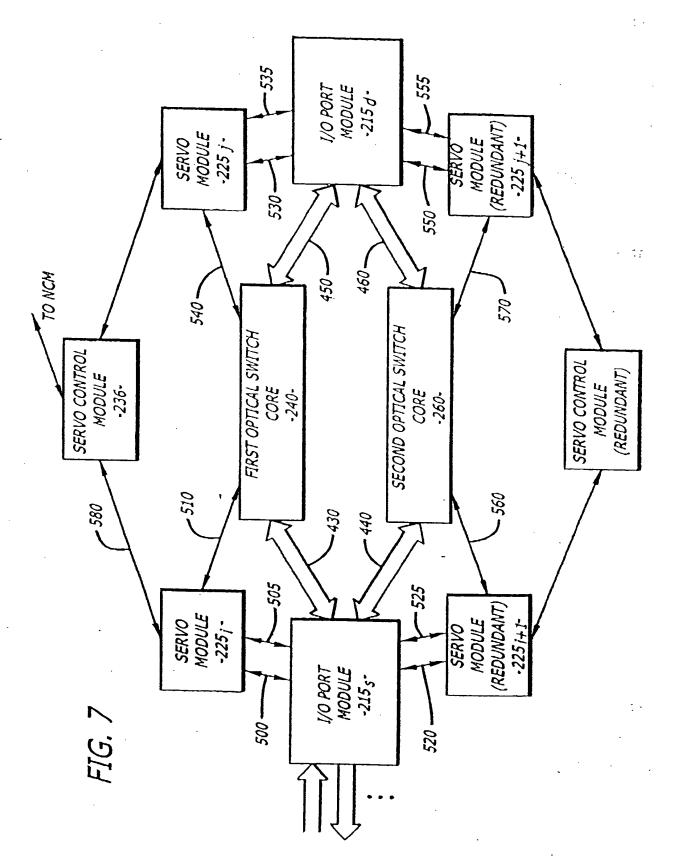
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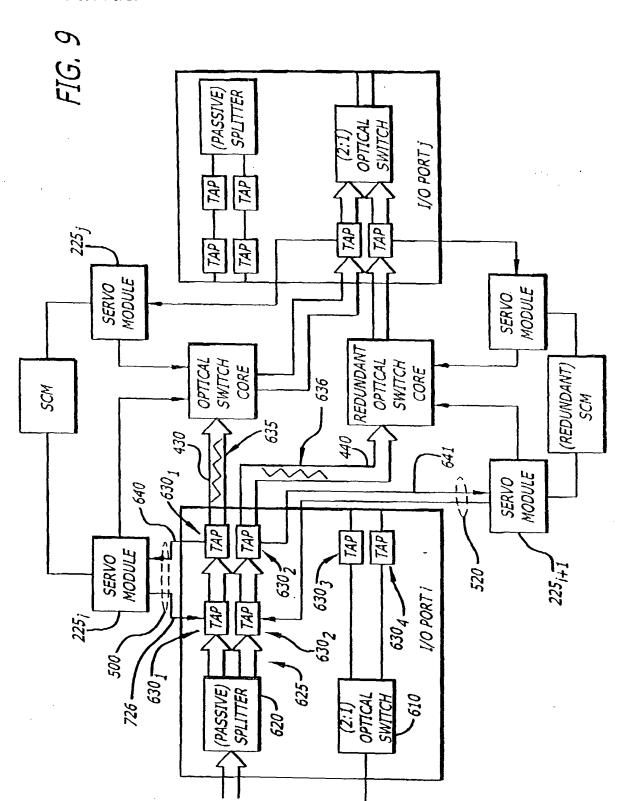
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TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT

Blakely, Sokoloff, Taylor & Zafman LLP (714) 557-3800 Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT

SWITCH

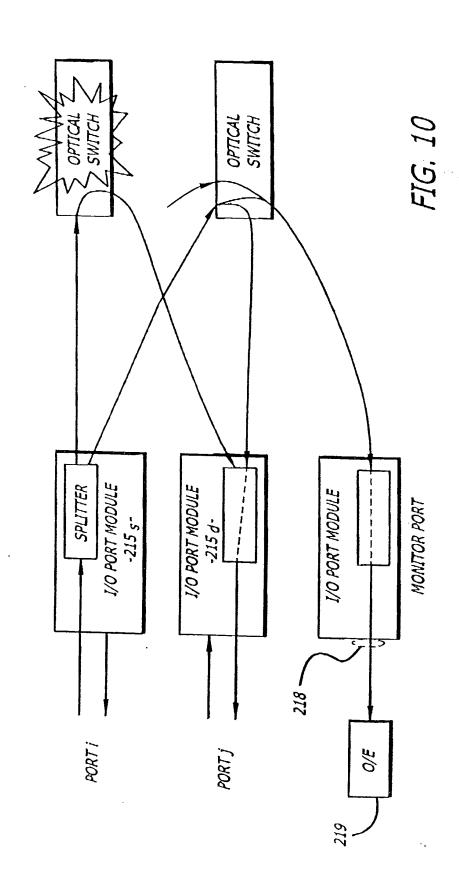
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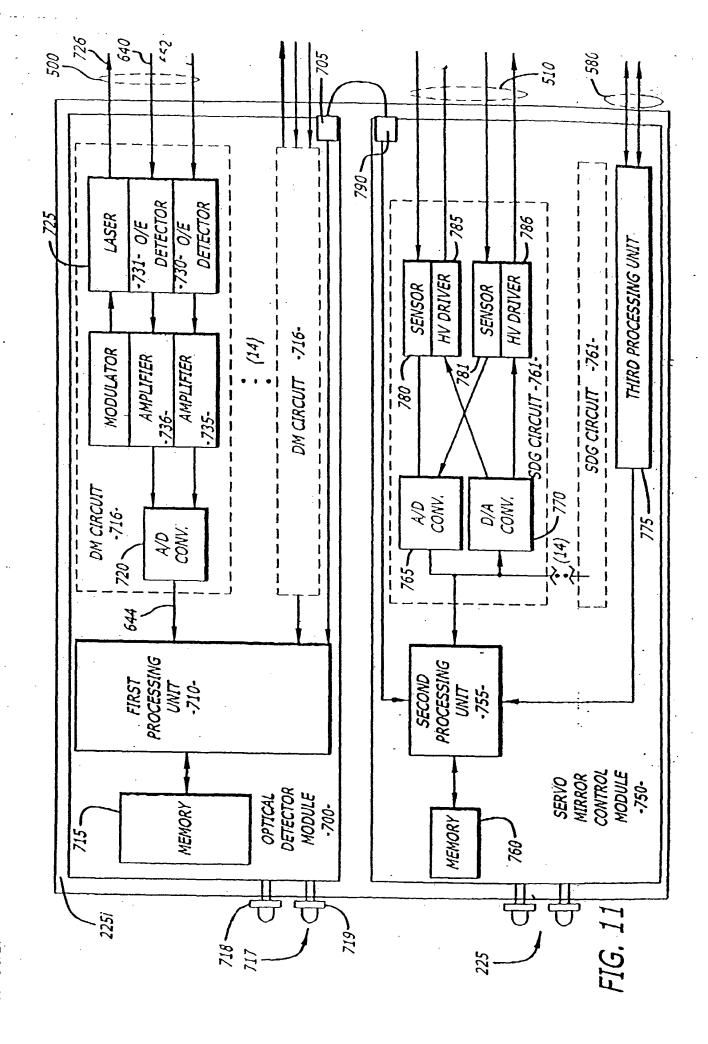
z-a.ke.y, Sokoloff, Taylor & Zafman LLP (714) 557-3800
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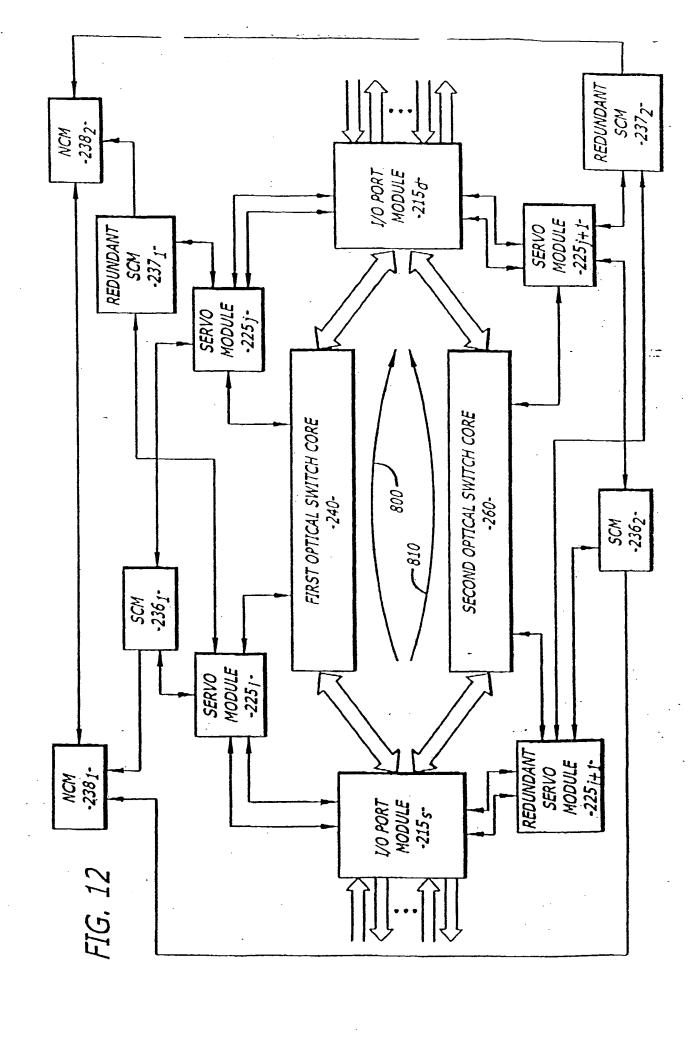
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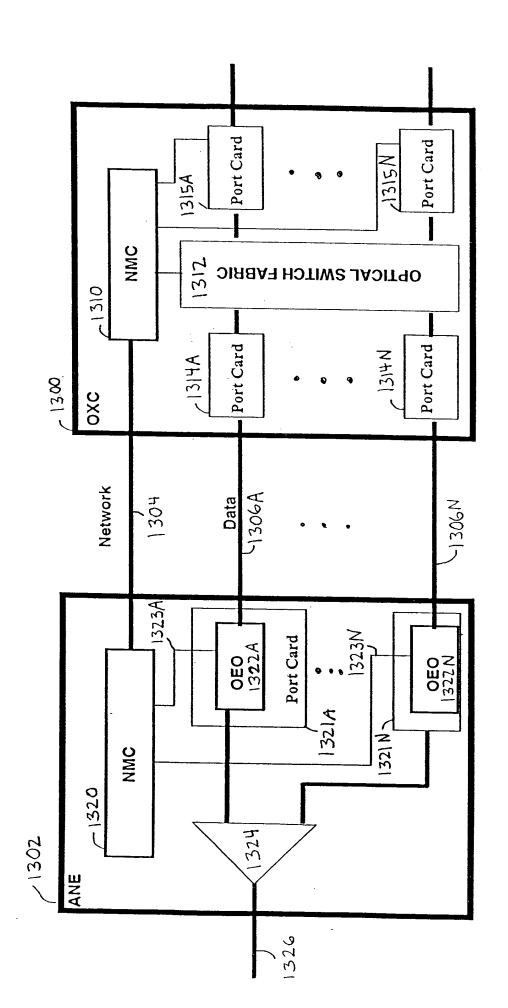
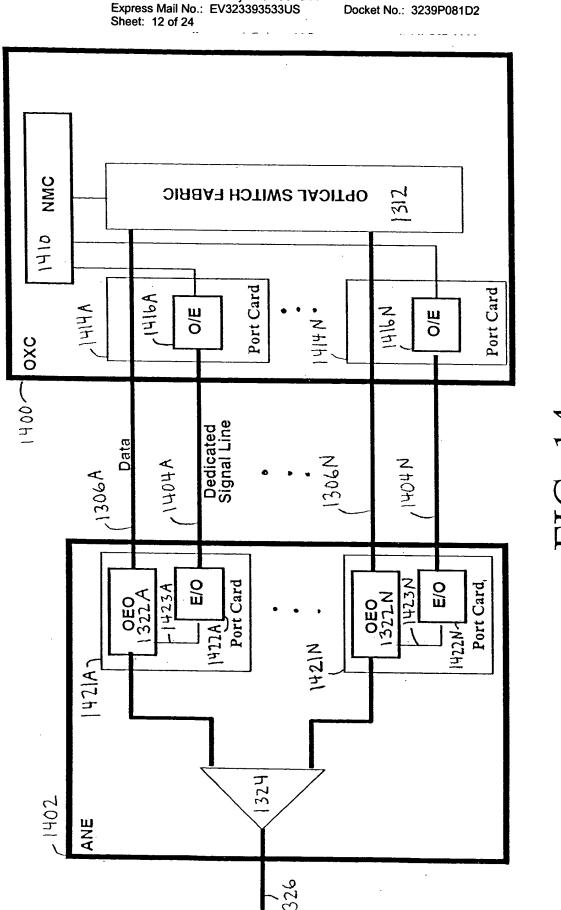


FIG. 13



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SWITCH

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FIG. 14

(714) 557-3800 Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT 1500 1st Named Inventor: Rajiv Ramaswami Express Mail No.: EV323393533US Docket No.: 3239P081D2 OXC Sheet: 13 of 24 1504A 1510 **OPTICAL SWITCH** 1501A-**FABRIC** O/E/O 1511 1507 1502A O C1512 1515A I SMART PORT **CARD** 1504A 1501B2 1515B 1511-1515C O/E/O 0(5/2 1502B SMART PORT 1507 **CARD** 1503A 1501C] 1513 1514 15020 O PASSIVE PORT **CARD** 1504L 1501L-61511 1502L = O/E/O O 1512 SMART PORT 1507 **CARD** C150417 150177-SMART PORT CARD 1502m ~1503N 150/N. Passive Port 1500N

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FIG. 15

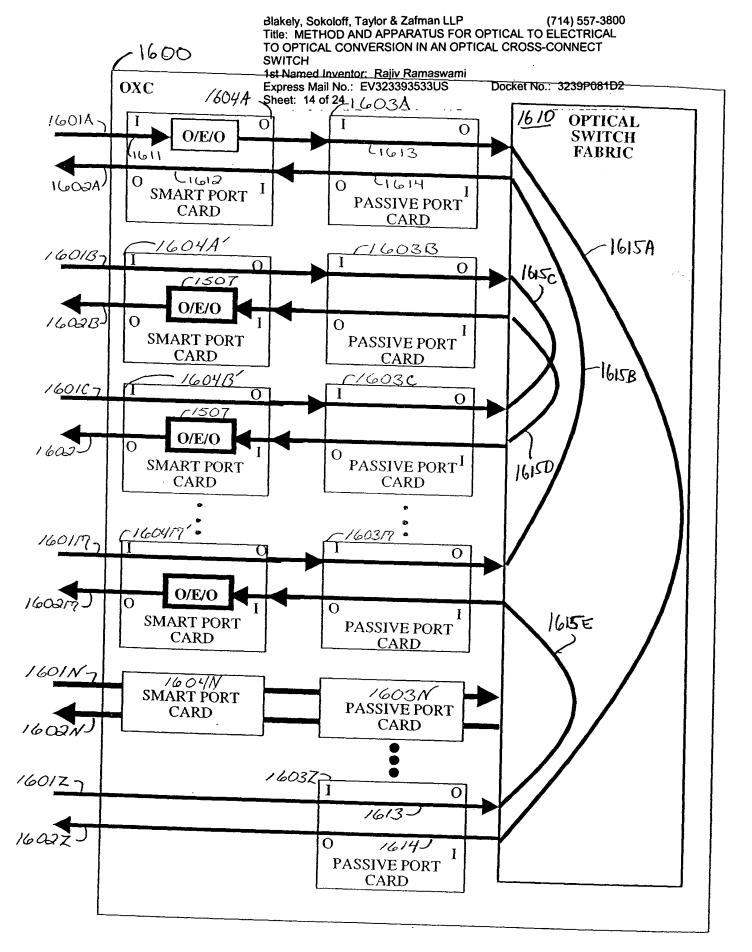


FIG. 16

Blakely, Sokoloff, Taylor & Zafman LLP (714) 557-380 Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL (714) 557-3800 TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT **SWITCH** 1700 1st Named Inventor: Rajiv Ramaswami Express Mail No.: EV323393533US Docket No.: 3239P081D2 Sheet: 15 of 24 ._... _--OXC ~1704A 1710 1701A-O/E/O 17151 61707 -1708 1712 117234 **SWITCH** ′702A· O 715A SMART PORT CARD 1209 1715B 17158 1704B 170187 O/E/O **SPLITTER** 708 1707 **SWITCH** 17028 O SMART PORT CARD OPTICAL SWITCH **FABRIC** 1704A 1721C 1701C7 **SPLITTER** 1715C 1708 C1709' 1707 O/E/O **SWITCH** 17240 170ac-17156 0,7/2 1715D SMART PORT CARD 704m 17017-**SPLITTER** MEGFIN 1709 11711 1707-723 O/E/O **SWITCH** 17245 1700m OL, 7/2 SMART PORT CARD 1721N 170187 1722 17234 1704N 1702N 172411

FIG. 17

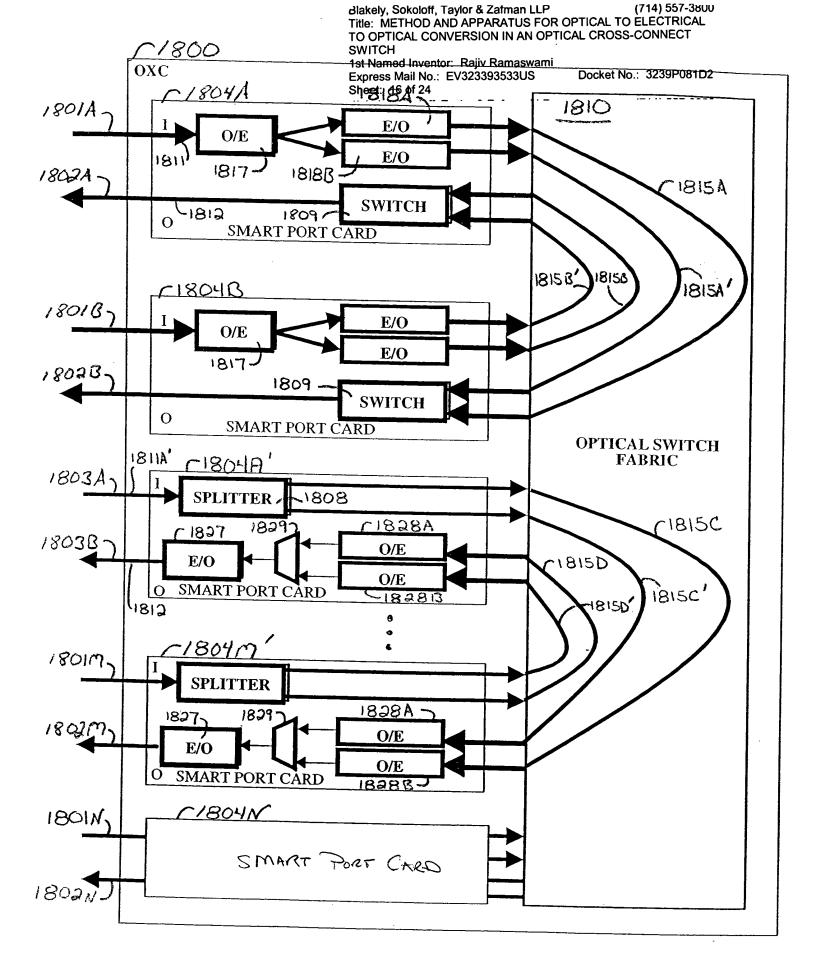
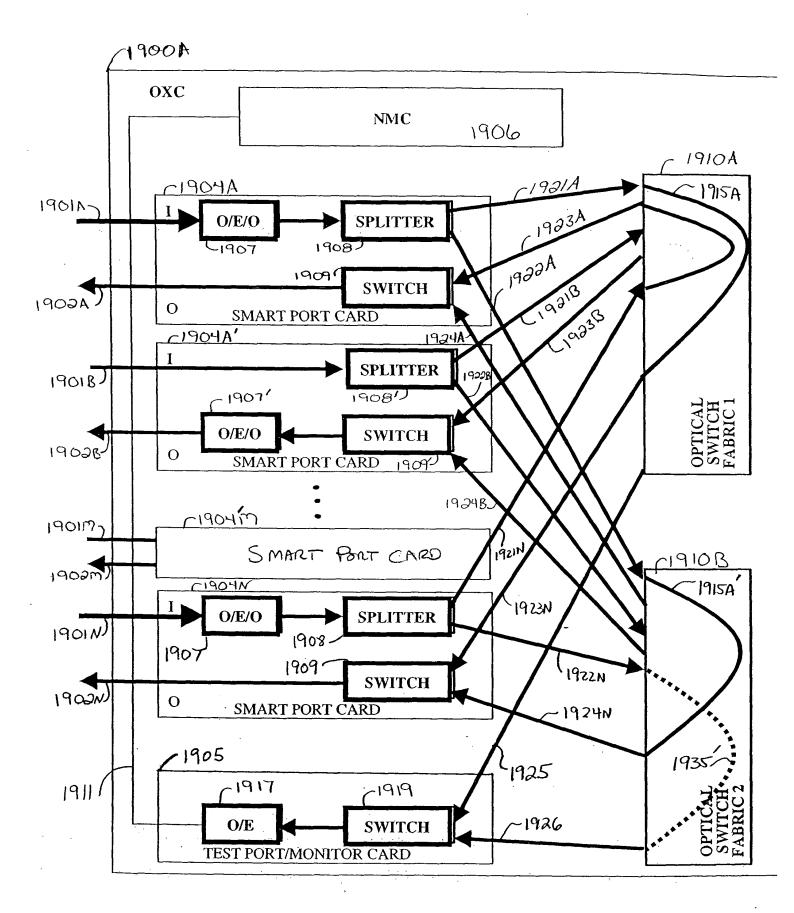


FIG. 18



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TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT
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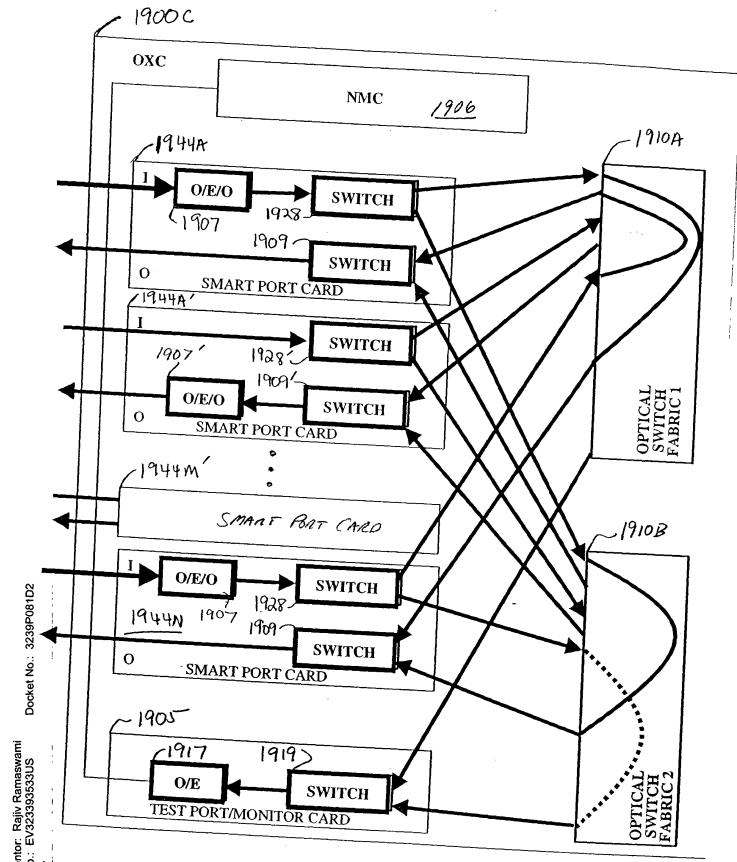
FIG. 19B

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Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL

TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT

SWITCH



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Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL
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F56. 19C

F56. 19D

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Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL

TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT

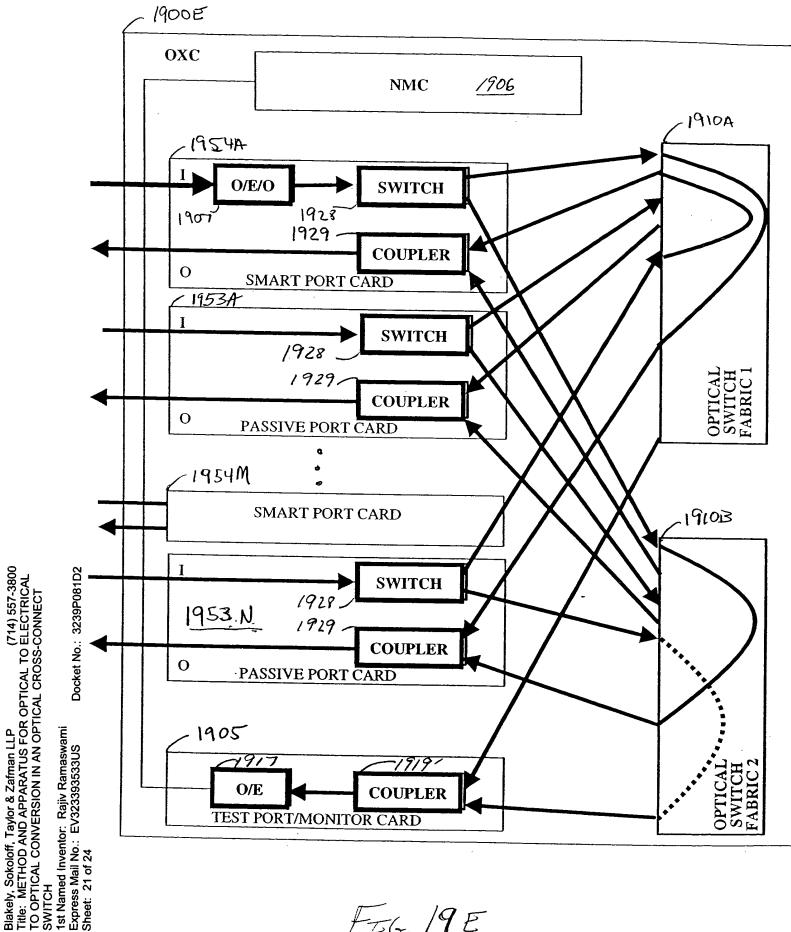


FIG. 19E

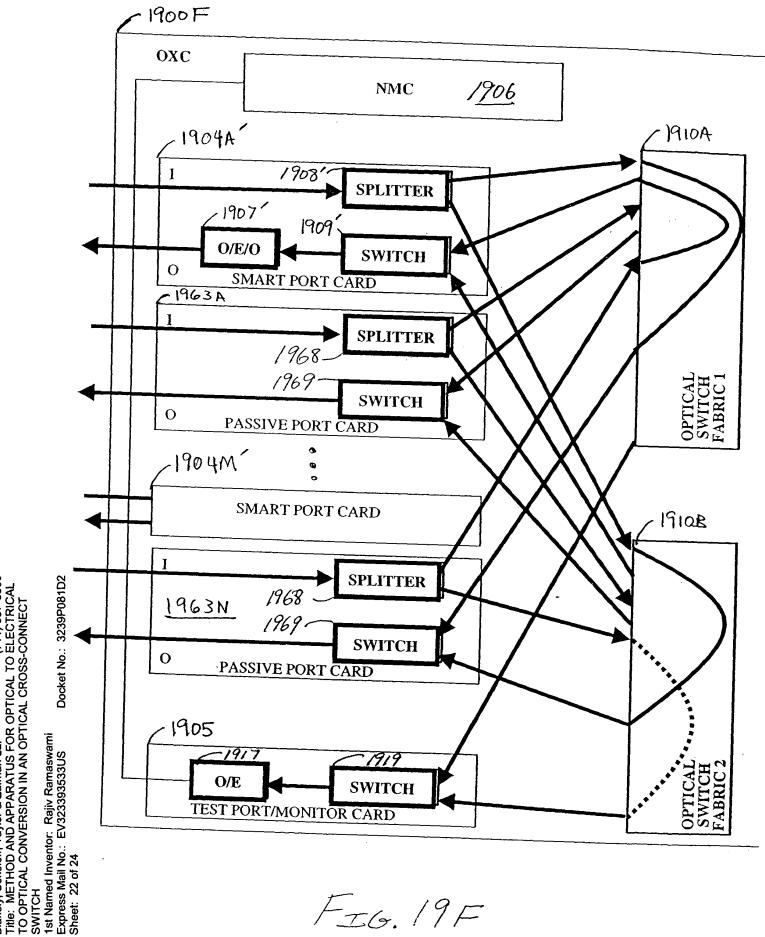


FIG. 19F

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Title: METHOD AND APPARATUS FOR OPTICAL TO ELECTRICAL
TO OPTICAL CONVERSION IN AN OPTICAL CROSS-CONNECT

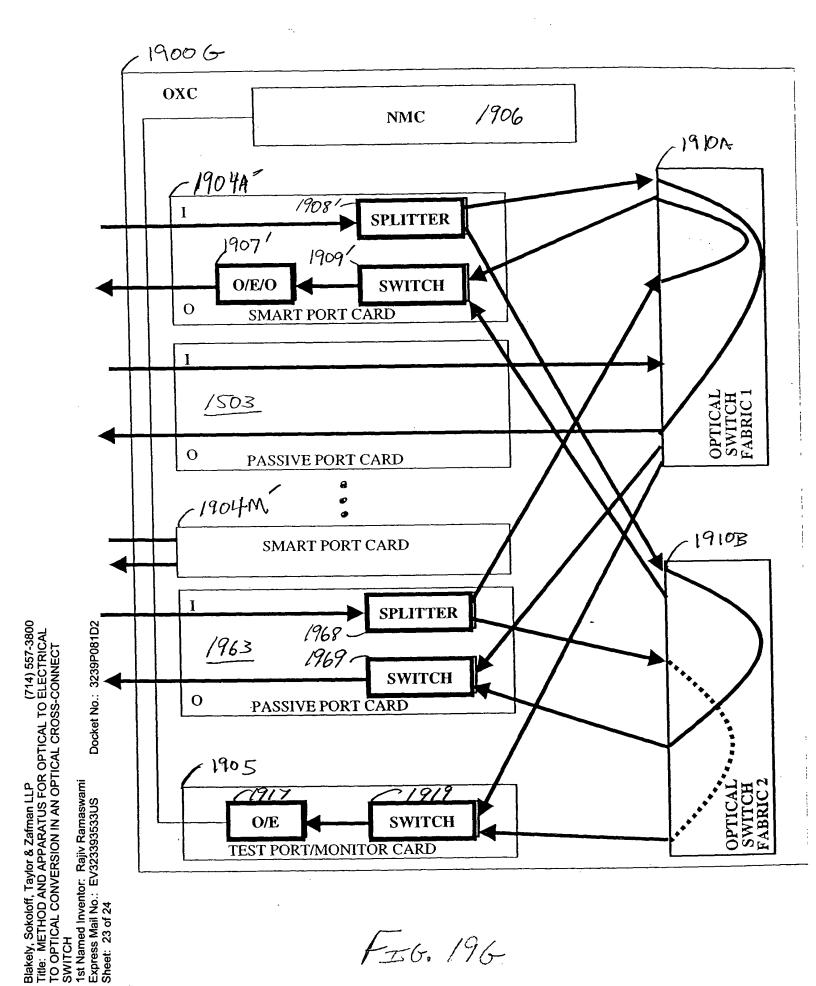


FIG. 196

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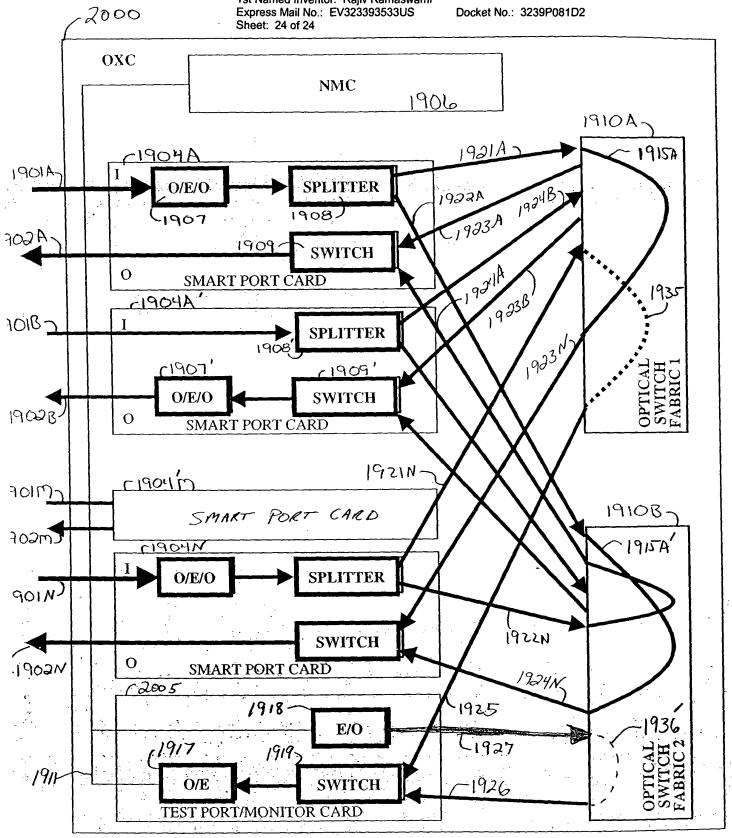


FIG. 20